



Australian Government

RIICPL303E Install sewer pipelines

Release: 1

RIICPL303E Install sewer pipelines

Modification History

Release	Comments
Release 1	This version first released with RII Resources and Infrastructure Industry Training Package Version 6.0.

Application

This unit describes the skills and knowledge required to install sewer pipelines in civil construction, including determining sewer pipeline requirements, installing bedding and installing and testing sewer pipeline.

It applies to those working in operational roles. They generally work under minimal supervision to undertake a broad range of tasks in varied work contexts, using some discretion and judgement in selecting equipment, services or contingency measures.

Licensing, legislative and certification requirements that apply to this unit can vary between states, territories, and industry sectors. Users must check requirements with relevant body before applying the unit.

Unit Sector

Civil construction

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Plan and prepare for installing sewer pipelines	1.1 Obtain, interpret, clarify and confirm work plans and specifications requirements 1.2 Access, interpret and apply documentation required to install sewer pipelines and confirm work activity is compliant 1.3 Confirm and identify requirements for complying with environmental protection, safety and traffic management signage requirements 1.4 Select equipment and tools required for work activities and check for faults 1.5 Select and wear personal protective equipment according to site

ELEMENT	PERFORMANCE CRITERIA
	requirements 1.6 Identify and address potential risks, hazards and environmental issues, and implement control measures within scope of own role 1.7 Obtain and interpret emergency procedures and identify steps required to respond to emergencies
2. Set out and excavate	2.1 Prepare work area and materials according to job requirements 2.2 Determine and apply dewatering requirements 2.3 Determine location, alignment direction, level and grade of sewer pipeline 2.4 Set out works according to job requirements 2.5 Advise plant operator of excavation requirements and monitor levels 2.6 Install sewer pipeline bedding according to job requirements
3. Install sewer pipeline	3.1 Lower pipes and place in position according to job requirements 3.2 Join pipes according to manufacturer specifications 3.3 Place pipes and fit valves, fittings and flow control devices 3.4 Continually check alignment level and grade 3.5 Position side support and overlay beside the pipes as required 3.6 Check sewer pipeline system support structure 3.7 Monitor backfill procedure and confirm work is completed to specification 3.8 Construct manholes, inspection and valve chambers, minor structures and thrust blocks according to job requirements
4. Test sewer pipeline	4.1 Perform sewer system test procedures establishing functionality and serviceability 4.2 Complete records and report test results according to job requirements
5. Conduct clean-up activities	5.1 Clear work area and dispose of or recycle materials according to site requirements 5.2 Clean, check, perform maintenance on and store plant, tools and equipment according to manufacturer specifications and site requirements

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

Skill	Description
-------	-------------

Skill	Description
Numeracy	<ul style="list-style-type: none">• Calculates basic measurements including mass and dimensions
Self-management	<ul style="list-style-type: none">• Monitors and minimises own exposure to worksite risks and hazards during work activities
Writing	<ul style="list-style-type: none">• Completes documentation using sector specific vocabulary, grammatical structures and conventions

Unit Mapping Information

Supersedes and is equivalent to RIICPL303D Install sewer pipelines.

Links

Companion Volume Implementation Guide is found on VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=88a61002-9a21-4386-aaf8-69c76e675272>